

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	14-215
Possible Funding Partners:	

**PROJECT INFORMATION**

**Project Title:** Red Mountain Trick Tank #652

**Region and Game Management Unit:** Region 2, GMU 7W

**Local Habitat Partnership Committee (LHPC):**

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**Was the project presented to the LHPC?**

YES[] NO[X]

**Has this project been submitted in previous years?** YES[] NO[X]

**If Yes, was it funded?** YES[] NO[] → **HCP Project #:**

**Project Type:** Water Development

**Brief Project Summary:** Water Development in the north eastern part of GMU 7W near Red Mtn.

**Big Game Wildlife Species to Benefit:** The Big Game species to benefit are elk, mule deer, black bear, and turkey. The area has current population of all four species, and has potential of sustaining larger population if more reliable water sources are created. By increasing water sources and spreading out the water availability the elk herd can be spread out mitigating the impact on the habitat.

**Implementation Schedule** (Month/Day/Year):

Project Start Date: August 1, 2015

Project End Date: October 1, 2015

**Environmental Compliance:**

NEPA Completed: YES[x] No[] N/A[]

Projected Completion Date: July 2014

State Historic Preservation Office - Archaeological Clearance:

YES[x] No[] N/A[]

Projected Completion Date: July 2014

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: Colby Walton/ Joe Currie

Projected Completion Date: Oct of 2015

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

\$

**Cost Share or Matching Funds:**

\$

**Total Project Costs:**

**\$ 47,000.00**

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Colby Walton

**Address:** 3500 Lake Mary Road,

Flagstaff AZ 86001

**E-mail:** CWalton@azgfd.gov

<b>Telephone:</b> (928)864-9384		<b>Date:</b> 9/01/2014
<b>AGFD Contact and Phone No.</b> (If applicant is not AGFD personnel):		
<b>Project has been coordinated with:</b> Joe Currie		

**NEED STATEMENT – PROBLEM ANALYSIS:** The only reliable water sources that exist in this area of Game Management Unit 7 West consist in small ephemeral bodies of water that develop in low-lying areas where seasonal runoff collects. The purpose and need of the actions are to increase the availability of more reliable and larger capacity wildlife water sources throughout Game Management Unit 7W. These actions are also designed to reduce impacts to vegetation and soil resources around existing water developments by better distributing elk habitat use patterns throughout the district.

In addition the proposed plan would repair and improve an existing water development #652 or Red Mountain Trick Tank. #652 is currently the older concrete style catchment with a limited capacity of 2500 gallons. The objective is to build an additional water catchment within the footprint of the current catchment, increasing water capacity to 21,000 gallons. The specific location of the water catchment will benefit elk, mule deer, black bear, and turkey. By creating a more efficient larger capacity water development during a dry year it would significantly reduce water hauling costs, and serve as a reliable water source in critical summer range for the species listed above.

**PROJECT OBJECTIVES:**

- Increase water availability
- Increase water storage capability
- Decreasing water hauling cost
- Distributing elk habitat use patterns throughout the district

**PROJECT DESCRIPTION AND STRATEGIES:**

The proposed plan would consist of AZGFD Development Branch rebuilding Game and Fish water development #652. Currently #652 is an old style concrete catchment with a water capacity of 2500 gallons. The proposed plan would increase the storage capacity to approximately 21,000 gallons, and would increase the water collection efficiency of the development. A new style catchment would be built in the existing footprint of the current catchment, next to the old style concrete catchment. This proposal would also replace the wire enclosure fence with piperail fencing.

**PROJECT LOCATION:** Township 25 N. Range 5 E. Section 29, GPS coordinates

N 35 30.422 W111 52.911

**LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):** National Forest – Coconino National Forest

*IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*  
YES[] NO[]

**HABITAT DESCRIPTION:** Pinyon Pine and Juniper woodland, approximate elevation 6,000 ft

**ITEMIZED USE OF FUNDS:**

AZGFD Development crew will complete the installation of the project. Ed Jahrke estimated that \$10,000 in kind labor cost match. In addition, Wildlife Manager Colby Walton has dedicated 10 days to project development, field trips, coordination, and finalization, which is matching in kind labor of \$1200.00.

Special Big Game License Tag Funds

\$47,000.00

Cost Share or Matching Funds

Arizona Game and Fish contribution \$12,000 dollars

**LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:** The Coconino National Forest is cooperating in this effort with AZGFD to build water catchments. AZGFD would seek funding through the AZGFD HPC process and other grant funding opportunities. All future maintenance and repair of the newly constructed catchments will become the responsibility of the AZGFD.

**PROJECT MONITORING PLAN:** Department personnel will monitor the water levels in the catchments, amount of use by wildlife, maintenance needs and report to the Department's development branch if any maintenance needs arise or if water needs to be hauled. The Unit Wildlife Manager will be the primary person responsible for monitoring.

**PROJECT MAINTENANCE:** The Department's Development Branch will be responsible for ensuring maintenance is done. This may be accomplished by Department personnel, contractors or by volunteers.

**PROJECT COMPLETION REPORT TO BE FILED BY:** Wildlife Manager: Colby Walton

**WATER DEVELOPMENT PROJECTS** (*see attached worksheet*):

ARIZONA GAME AND FISH DEPARTMENT

## **WATER DEVELOPMENT WORKSHEET**

**PROJECT NAME:** #652 Red Mountain

1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"** no

2) **Please list the Development Branch personnel and date coordinated with for this project.**

Joe Currie coordinated in September of 2014 for site visit.

3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
☐2-4 ☐4-6 ☐6-8 ☐8-10 ☒10-12 ☐12-14 ☐14-16 ☐ >16

4) **Is there a perennial water source available to big game within four miles of this project?**  
YES☒ (please complete #5 below) NO☐ (skip #5 below)

5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Dry Lake and Ida Tank  
Type of water source (catchment, spring, dirt tank): dirt tank  
Ownership of water source: National Forest Service  
Distance in miles from project: 2 miles

6) **Is the target wildlife species a result of transplant efforts?** YES☐ NO☒

7) **Please list any special land management status for the project site (i.e. Wilderness,**

**National Park, National Monument). If private land, list landowner.** National Forest-Coconino National Forest

**8) Please provide the following information about access to the proposed site:**

Type of access (mark one): ☒2x4 vehicles ☐4x4 only ☐foot only\*\*

\*\*If foot access only: Distance in miles: \_\_\_\_\_ Approximate hiking time: \_\_\_\_\_

-- Does access to this site require crossing private or tribal lands? YES ☐ NO ☒

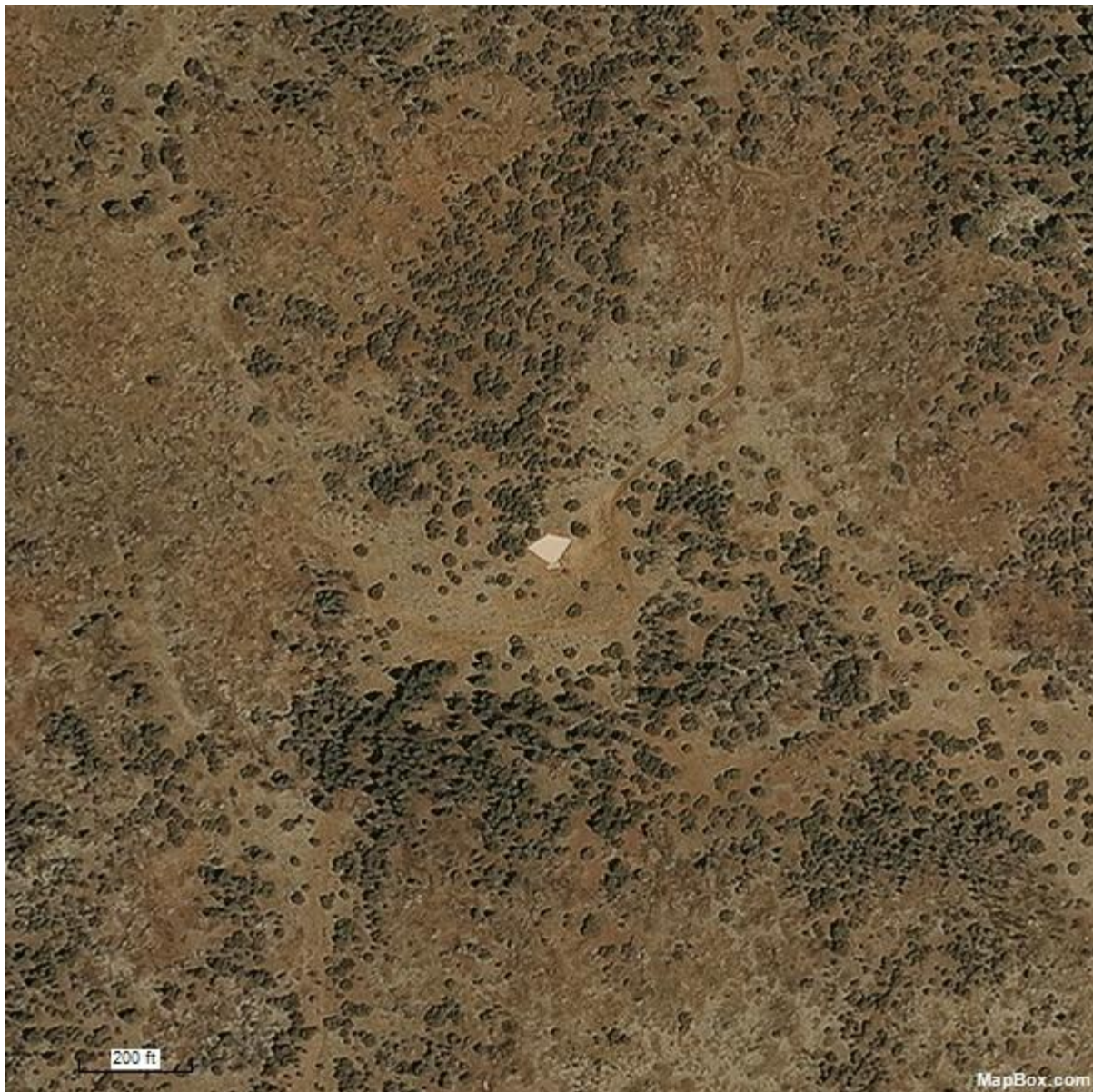
-- Please describe any restrictions to public access: Area is considered a wildlife area, and is closed to motorized vehicle travel.

**9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**

4' deep x 4" wide Polyethylene Walk-in Trough (currently out to bid)	\$3,934.00
12 X 1,600 gallon Polyethylene Tanks (19,200)	unknown(est \$30,000)
48' x 36' Metal Frame and R-panel Apron	\$5,824.10
3" Schedule 80 PVC pipeline	\$ 3,000.00
180' x 160' x 170' x 90' heavy Duty Piperail Fence	\$3,607.65
<b>Total =</b>	<b>\$46,365.75</b>

**10) Was a site visit completed? Yes ☒ No ☐**

Site visit is to be completed with Joe Currie from the Arizona Game and Fish Development Branch, and Colby Walton Unit 7 WM.



Aerial Photo of #652

